

ABSTRACT OF THE DISCLOSURE

An electro-optical device is provided that can accurately supply voltages, which correspond to analog image signals, to pixels without being affected by switching noise and leakage, and that can perform high speed sampling of analog image signals. An analog image signal is first held in a capacitor. Thereafter, this
5 analog image signal is converted by an A/D converter into a digital signal in a time that is shorter than one horizontal scanning period. Subsequently, the digital signal is held in a latch. Further, when the analog image signal is applied to a data line, the transfer of the digital signal from the latch to another latch and the D/A conversion
10 thereof by a D/A converter are performed.

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